

## Thermometry, Switzerland, METAS (Metrology and Accreditation Switzerland)

Calibration or Measurement Services			Measurand Level or Range			Measurement Conditions/Independent variables		Expanded Uncertainty						
Quantity	Instrument or artifact	Instrument Type or Method	Minimum value	Maximum value	units	Parameter	Specifications	Value	Units	Coverage Factor	Level of Confidence	Is the expanded uncertainty a relative one?	Comments	NMI Service Identifier
Temperature	Argon cell	Direct comparison	-189.3442	-189.3442	°C	Ambient temperature	(22 ± 2) °C	1.0	mK	2	95%	No	Approved on 18 May 2004	1
Temperature	Mercury cell	Direct comparison	-38.8344	-38.8344	°C	Ambient temperature	(22 ± 2) °C	0.7	mK	2	95%	No	Approved on 18 May 2004	2
Temperature	Gallium cell	Direct comparison	29.7646	29.7646	°C	Ambient temperature	(22 ± 2) °C	0.7	mK	2	95%	No	Approved on 18 May 2004	4
Temperature	Indium cell	Direct comparison	156.5985	156.5985	°C	Ambient temperature	(22 ± 2) °C	1.8	mK	2	95%	No	Approved on 18 May 2004	5
Temperature	Tin cell	Direct comparison	231.928	231.928	°C	Ambient temperature	(22 ± 2) °C	1.5	mK	2	95%	No	Approved on 18 May 2004	6
Temperature	Zinc cell	Direct comparison	419.527	419.527	°C	Ambient temperature	(22 ± 2) °C	2.4	mK	2	95%	No	Approved on 18 May 2004	7
Temperature	Aluminium cell	Direct comparison	660.323	660.323	°C	Ambient temperature	(22 ± 2) °C	5.5	mK	2	95%	No	Approved on 18 May 2004	8
Temperature	Long stem SPRT	Measurement at Argon point	-189.3442	-189.3442	°C	Ambient temperature	(22 ± 2) °C	1.0	mK	2	95%	No	Approved on 18 May 2004	10
Temperature	Long stem SPRT	Measurement at Mercury point	-38.8344	-38.8344	°C	Ambient temperature	(22 ± 2) °C	0.8	mK	2	95%	No	Approved on 18 May 2004	11
Temperature	Long stem SPRT	Measurement at Gallium point	29.7646	29.7646	°C	Ambient temperature	(22 ± 2) °C	0.9	mK	2	95%	No	Approved on 18 May 2004	13
Temperature	Long stem SPRT	Measurement at Indium point	156.5985	156.5985	°C	Ambient temperature	(22 ± 2) °C	2.0	mK	2	95%	No	Approved on 18 May 2004	14
Temperature	Long stem SPRT	Measurement at Tin point	231.928	231.928	°C	Ambient temperature	(22 ± 2) °C	1.8	mK	2	95%	No	Approved on 18 May 2004	15
Temperature	Long stem SPRT	Measurement at Zinc point	419.527	419.527	°C	Ambient temperature	(22 ± 2) °C	3.4	mK	2	95%	No	Approved on 18 May 2004	16
Temperature	Long stem SPRT	Measurement at Aluminium point	660.323	660.323	°C	Ambient temperature	(22 ± 2) °C	6.0	mK	2	95%	No	Approved on 18 May 2004	17

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Temperature	Long stem HTSPRT	Measurement at Silver point	961.78	961.78	°C	Ambient temperature	(22 ± 2) °C	12.8	mK	2	95%	No	Approved on 18 May 2004	18